

## CLAIMS

What is claimed is:

- 1 1. A method for generating a personalized weather report,  
2 comprising the steps of  
3 (a) establishing a user profile including a location of interest;  
4 (b) providing a personalized internet web page address to a user;  
5 (c) generating a forecast of weather conditions for an area  
6 including the location of interest;  
7 (d) generating a weather report of forecast weather conditions at  
8 the location of interest automatically from the user profile and the forecast of  
9 weather conditions; and  
10 (e) providing the weather report so as to be accessible at the  
11 personalized internet web page address.
- 1 2. The method of Claim 1 wherein the step of establishing a user  
2 profile includes the step of providing a user profile set-up menu user interface.
- 1 3. The method of Claim 1 wherein the step of establishing a user  
2 profile includes the step of establishing a user contact address.
- 1 4. The method of Claim 3 wherein the step of providing the  
2 personalized internet web page address to a user includes the step of providing the  
3 personalized internet web page address to the user contact address.
- 1 5. The method of Claim 4 wherein the user contact address is an  
2 e-mail address and wherein the step of providing the personalized internet web page  
3 address to a user includes the step of providing the personalized internet web page  
4 address in an e-mail message provided to the e-mail address.
- 1 6. The method of Claim 3 comprising additionally the step of  
2 providing the weather report to the user contact address.

1                   7.     The method of Claim 6 wherein the user contact address is an  
2 e-mail address, the step of generating the weather report includes the step of  
3 generating a weather report e-mail message, and the step of providing the weather  
4 report to the user contact address includes the step of sending the weather report e-  
5 mail message to the user contact e-mail address.

1                   8.     The method of Claim 7 wherein the step of generating the  
2 weather report e-mail message includes the step of providing a link to the  
3 personalized internet web page address in the weather report e-mail message.

1                   9.     The method of Claim 7 wherein the step of generating the  
2 weather report includes the step of generating a summary weather report e-mail  
3 message providing a less detailed report of forecast weather conditions than the  
4 weather report of forecast weather conditions provided so as to be accessible at the  
5 personalized internet web page address.

1                   10.    The method of Claim 1 wherein the step of generating a  
2 forecast of weather conditions includes the step of running a weather forecast model  
3 to generate weather forecast model data for an area including the location of  
4 interest.

1                   11.    The method of Claim 11 wherein the step of generating a  
2 forecast of weather conditions includes the step of extrapolating weather conditions  
3 for the location of interest from the weather forecast model data.

1                   12.    A personalized weather report generating system, comprising:

2                   (a)     user profile generator means for generating a user profile  
3 including a location of interest and a personalized internet web page address;

4                   (b)     means for providing the personalized internet web page  
5 address to a user;

6                   (c)     weather forecast model data generator means for generating  
7 weather forecast model data for an area including the location of interest;

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4 generating a weather report e-mail message and means for providing the weather  
5 report e-mail message to the user contact e-mail address.

1 19. The personalized weather report generating system of  
2 Claim 18 wherein the means for generating the weather report e-mail message  
3 includes means for providing a link to the personalized internet web page address in  
4 the weather report e-mail message.

1 20. The personalized weather report generating system of  
2 Claim 18 wherein the weather report generator means includes means for generating  
3 a summary weather report e-mail message providing a less detailed report of  
4 forecast weather conditions than the weather report of forecast weather conditions  
5 provided so as to be accessible at the personalized internet web page address.

1 21. A method of generating a personalized weather report,  
2 comprising the steps of:  
3 (a) establishing a user profile including a location of interest;  
4 (b) running a weather forecast model to generate weather forecast  
5 model data for an area including the area of interest;  
6 (c) constraining selected weather conditions in the weather  
7 forecast model data to within selected constraint limits to provide constrained  
8 weather forecast model data; and  
9 (d) generating a weather report of forecast weather conditions at  
10 the location of interest automatically from the user profile and the constrained  
11 weather forecast model data.

1 22. The method of Claim 21 wherein the step of establishing a  
2 user profile includes the step of providing a user profile set-up menu user interface.

1 23. The method of Claim 21 comprising additionally the step of  
2 providing the weather report to a user.

1 24. The method of Claim 23 wherein the step of establishing a  
2 user profile includes the step of establishing a user contact address and comprising

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3 additionally the step of providing the weather report to the user at the user contact  
4 address.

1 25. The method of Claim 24 wherein the user contact address is  
2 an e-mail address, the step of generating the weather report includes the step of  
3 generating a weather report e-mail message, and the step of providing the weather  
4 report to the user contact address includes the step of sending the weather report e-  
5 mail message to the user contact e-mail address.

1 26. The method of Claim 23 comprising additionally the step of  
2 providing a personalized internet web page address to a user and wherein the step of  
3 providing the weather report to the user includes the step of providing the weather  
4 report so as to be accessible at the personalized internet web page address.

1 27. A personalized weather report generating system, comprising:

2 (a) user profile generator means for generating a user profile  
3 including a location of interest;

4 (b) weather forecast model data generator means for generating  
5 weather forecast model data for an area including the area of interest;

6 (c) constrainer means for constraining selected weather  
7 conditions in the weather forecast model data to within selected constraint limits to  
8 provide constrained weather forecast model data; and

9 (d) weather report generator means for generating a weather  
10 report of forecast weather conditions at the location of interest automatically from  
11 the user profile and the constrained weather forecast model data.

1 28. The personalized weather report generating system of  
2 Claim 27 wherein the user profile generator means, the weather forecast model data  
3 generator means, the constrainer means, and the weather report generator means are  
4 implemented in at least one general purpose computer.

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6 (b) running a weather forecast model to generate weather forecast  
7 model data of a first higher resolution for the first limited geographic area and to  
8 generate weather forecast model data of a second lower resolution for the second  
9 wider geographic area; and

10 (c) generating a weather report of forecast weather conditions at  
11 each user profile location of interest automatically from the user profile and the  
12 weather forecast model data of a first higher resolution for locations of interest  
13 located within the first limited geographic area and from the user profile and  
14 weather forecast model data of the second lower resolution for locations of interest  
15 located within the second wider geographic area.

1 36. The method of Claim 35 wherein the step of generating a  
2 weather report of forecast weather conditions at each user profile location of interest  
3 includes the steps of determining whether a user profile location of interest is  
4 located within the first limited geographic area, generating a weather report of  
5 forecast weather conditions at the user profile location of interest from the user  
6 profile and the weather forecast model data of a first higher resolution if the user  
7 profile location of interest is determined to be located within the first limited  
8 geographic area, otherwise generating a weather report of forecast weather  
9 conditions at the user profile location of interest from the user profile and the  
10 weather forecast model data of a second lower resolution.

1 37. The method of Claim 35 comprising additionally the step of  
2 providing the weather report to a user.

1 38. The method of Claim 37 wherein the step of establishing a  
2 user profile includes the step of establishing a user contact address and comprising  
3 additionally the step of providing the weather report to the user at the user contact  
4 address.

1 39. The method of Claim 38 wherein the user contact address is  
2 an e-mail address, the step of generating the weather report includes the step of  
3 generating a weather report e-mail message, and the step of providing the weather

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4 report to the user contact address includes the step of sending the weather report e-  
5 mail message to the user contact e-mail address.

1 40. The method of Claim 37 comprising additionally the step of  
2 providing a personalized internet web page address to a user and wherein the step of  
3 providing the weather report to the user includes the step of providing the weather  
4 report so as to be accessible at the personalized internet web page address.

1 41. A personalized weather report generating system, comprising:

2 (a) user profile generator means for generating a plurality of user  
3 profiles wherein each user profile includes a location of interest located within a  
4 first limited geographic area or within a second geographic area wider than the first  
5 limited geographic area;

6 (b) a weather forecast model data generator means for generating  
7 weather forecast model data of a first higher resolution for the first limited  
8 geographic area and for generating weather forecast model data of a second lower  
9 resolution for the second wider geographic area; and

10 (c) a weather report generator means for generating a weather  
11 report of forecast weather conditions at each user profile location of interest  
12 automatically from the user profile and the weather forecast model data of a first  
13 higher resolution for locations of interest located within the first limited geographic  
14 area and from the user profile and weather forecast model data of the second lower  
15 resolution for locations of interest located within the second wider geographic area.

1 42. The personalized weather report generating system of  
2 Claim 41 wherein the weather report generator means includes means for  
3 determining whether a user profile location of interest is located within the first  
4 limited geographic area, means for generating a weather report of forecast weather  
5 conditions at the user profile location of interest from the user profile and the  
6 weather forecast model data of a first higher resolution if the user profile location of  
7 interest is determined to be located within the first limited geographic area, and  
8 means for otherwise generating a weather report of forecast weather conditions at



9 the user profile location of interest from the user profile and the weather forecast  
10 model data of a second lower resolution

1 43. The personalized weather report generating system of  
2 Claim 41 wherein the user profile generator means, the weather forecast model data  
3 generator means, and the weather report generator means are implemented in at  
4 least one general purpose computer.

1 44. The personalized weather report generating system of  
2 Claim 41 comprising additionally means for providing the weather report to a user.

1 45. The personalized weather report generating system of  
2 Claim 44 wherein the means for providing the weather report to a user includes  
3 means for providing the weather report to the user at a user contact address.

1 46. The personalized weather report generating system of  
2 Claim 45 wherein the user contact address is an e-mail address and the means for  
3 providing the weather report to the user at the user contact address includes means  
4 for generating a weather report e-mail message and means for providing the weather  
5 report e-mail message to the user contact e-mail address.

1 47. The personalized weather report generating system of  
2 Claim 44 comprising additionally means for providing a personalized internet web  
3 page address to a user and wherein the means for providing the weather report to  
4 the user includes means for providing the weather report so as to be accessible at  
5 the personalized internet web page address.

1 48. A method of generating a personalized weather report,  
2 comprising the steps of:

3 (a) establishing a user profile including a location of interest;

4 (b) generating a forecast of weather conditions for an area  
5 including the location of interest; and

6 (c) generating a weather report of forecast weather conditions at  
7 the location of interest automatically from the user profile and the forecast of

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8 weather conditions, wherein the weather report of forecast weather conditions  
9 includes a tabular representation of a plurality of forecast weather conditions for a  
10 plurality of time periods throughout a day, and wherein at least one notable forecast  
11 weather condition in the tabular representation of a plurality of forecast weather  
12 conditions is highlighted.

1 49. The method of Claim 48 wherein the step of generating a  
2 weather report of forecast weather conditions includes the step of generating a  
3 tabular representation of a plurality of forecast weather conditions for each hour  
4 throughout a day.

1 50. The method of Claim 48 wherein the step of generating a  
2 weather report of forecast weather conditions includes the step of generating a  
3 tabular representation of a plurality of forecast weather conditions for a plurality of  
4 time periods throughout a day, and wherein selected ones of the plurality of forecast  
5 weather conditions are presented in graphical form in the tabular representation.

1 51. The method of Claim 48 wherein the at least one notable  
2 forecast weather condition is a daily high temperature condition.

1 52. The method of Claim 48 wherein the at least one notable  
2 forecast weather condition is a daily low temperature condition.

1 53. The method of Claim 48 wherein the at least one notable  
2 forecast weather condition in the tabular representation of a plurality of forecast  
3 weather conditions is highlighted by color.

1 54. The method of Claim 48 wherein the at least one notable  
2 forecast weather condition in the tabular representation of a plurality of forecast  
3 weather conditions is highlighted by size.

1 55. The method of Claim 48 comprising additionally the step of  
2 providing the weather report to a user.

1                    57.     The method of Claim 48 wherein the step of generating a  
2     forecast of weather conditions includes the step of running a weather forecast model  
3     to generate weather forecast model data for an area including the location of  
4     interest.

2 (a) user profile generator means for generating a user profile  
3 including a location of interest;

(c) a weather report generator means for generating a weather report of forecast weather conditions at the location of interest automatically from the user profile and the weather forecast model data, wherein the weather report of forecast weather conditions includes a tabular representation of a plurality of forecast weather conditions for a plurality of time periods throughout a day, and wherein at least one notable forecast weather condition in the tabular representation of a plurality of forecast weather conditions is highlighted.

1                    59.     The personalized weather report generating system of  
2     Claim 58 wherein the user profile generator means, the weather forecast model data  
3     generator means, and the weather report generator means are implemented in at  
4     least one general purpose computer.

姓名	性别	年龄	籍贯	职业	文化程度	健康状况	婚姻状况	子女情况	其他情况
王德胜	男	45	山东	工人	高中	良好	已婚	2子1女	无
李秀英	女	38	河北	教师	大学	良好	已婚	1子1女	无
张国强	男	52	河南	农民	初中	一般	已婚	3子2女	有
赵子龙	男	28	江苏	学生	高中	良好	未婚	无	无
陈美华	女	42	浙江	医生	大学	良好	已婚	1子1女	有
刘伟明	男	35	广东	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	30	湖北	护士	中专	良好	已婚	1子1女	无
周大伟	男	48	四川	干部	高中	良好	已婚	2子1女	有
吴小芳	女	25	湖南	学生	高中	良好	未婚	无	无
郑国强	男	55	安徽	工人	初中	一般	已婚	3子2女	有
马秀英	女	40	江西	教师	大学	良好	已婚	1子1女	无
徐子龙	男	32	福建	学生	高中	良好	未婚	无	无
林美华	女	45	广西	医生	大学	良好	已婚	1子1女	有
周伟明	男	38	云南	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	28	贵州	护士	中专	良好	已婚	1子1女	无
周大伟	男	50	海南	干部	高中	良好	已婚	2子1女	有
吴小芳	女	22	重庆	学生	高中	良好	未婚	无	无
郑国强	男	58	陕西	工人	初中	一般	已婚	3子2女	有
马秀英	女	43	山西	教师	大学	良好	已婚	1子1女	无
徐子龙	男	35	辽宁	学生	高中	良好	未婚	无	无
林美华	女	48	吉林	医生	大学	良好	已婚	1子1女	有
周伟明	男	40	黑龙江	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	30	内蒙古	护士	中专	良好	已婚	1子1女	无
周大伟	男	53	宁夏	干部	高中	良好	已婚	2子1女	有
吴小芳	女	25	甘肃	学生	高中	良好	未婚	无	无
郑国强	男	60	青海	工人	初中	一般	已婚	3子2女	有
马秀英	女	45	新疆	教师	大学	良好	已婚	1子1女	无
徐子龙	男	38	西藏	学生	高中	良好	未婚	无	无
林美华	女	50	四川	医生	大学	良好	已婚	1子1女	有
周伟明	男	43	重庆	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	33	贵州	护士	中专	良好	已婚	1子1女	无
周大伟	男	55	云南	干部	高中	良好	已婚	2子1女	有
吴小芳	女	28	广西	学生	高中	良好	未婚	无	无
郑国强	男	62	广东	工人	初中	一般	已婚	3子2女	有
马秀英	女	48	福建	教师	大学	良好	已婚	1子1女	无
徐子龙	男	40	浙江	学生	高中	良好	未婚	无	无
林美华	女	53	江苏	医生	大学	良好	已婚	1子1女	有
周伟明	男	45	安徽	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	35	江西	护士	中专	良好	已婚	1子1女	无
周大伟	男	58	湖北	干部	高中	良好	已婚	2子1女	有
吴小芳	女	30	湖南	学生	高中	良好	未婚	无	无
郑国强	男	65	四川	工人	初中	一般	已婚	3子2女	有
马秀英	女	50	重庆	教师	大学	良好	已婚	1子1女	无
徐子龙	男	43	贵州	学生	高中	良好	未婚	无	无
林美华	女	55	云南	医生	大学	良好	已婚	1子1女	有
周伟明	男	48	广西	工程师	硕士	良好	已婚	2子1女	无
孙丽娟	女	38	广东	护士	中专	良好	已婚	1子1女	无
周大伟	男	60	福建	干部	高中	良好	已婚	2子1女	有
吴小芳	女	33	浙江	学生	高中	良好			

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1                   61.    The personalized weather report generating system of  
2 Claim 58 wherein the weather report generator means for generating a weather  
3 report of forecast weather conditions includes means for generating a tabular  
4 representation of a plurality of forecast weather conditions for a plurality of time  
5 periods throughout a day, and wherein selected ones of the plurality of forecast  
6 weather conditions are presented in graphical form in the tabular representation.

1                   62.    The personalized weather report generating system of  
2 Claim 58 wherein the at least one notable forecast weather condition is a daily high  
3 temperature condition.

1                   63.    The personalized weather report generating system of  
2 Claim 58 wherein the at least one notable forecast weather condition is a daily low  
3 temperature.

1                   64.    The personalized weather report generating system of  
2 Claim 58 wherein the at least one notable forecast weather condition in the tabular  
3 representation of a plurality of forecast weather conditions is highlighted by color.

1                   65.    The personalized weather report generating system of  
2 Claim 58 wherein the at least one notable forecast weather condition in the tabular  
3 representation of a plurality of forecast weather conditions is highlighted by size.

1                   66.    The personalized weather report generating system of  
2 Claim 58 comprising additionally means for providing the weather report to a user.

1                   67.    The personalized weather report generating system of  
2 Claim 66 comprising additionally means for providing a personalized internet web  
3 page address to a user and wherein the means for providing the weather report to  
4 the user includes means for providing the weather report so as to be accessible at  
5 the personalized internet web page address.

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